627.0 Upper Great Plains Transportation Institute

IT Plan Version: B 1

Goals and Objectives

Goal: 1   Support UGPTI Research Program

Objectives	**Timeframe**	**Accomplishments/Status**
1 Improve web access to customers and clients by providing research results. Remain current with computer hardware and software resources. Development of server-based resource for collecting and disseminating research information such as the national shortline railroad database analysis.	Ongoing	Provide staff with latest hardware and software programs for research projects, teaching and course development. Nationwide data collection projects.

Goal: 2   Enhancement of the TEL8 Telecommunications Network

Objectives	**Timeframe**	**Accomplishments/Status**
1 Improve internet or web-based scheduling and data access for customers. Remain current with evolving telecommunications technologies and standards. Increase bridge capacity allowing greater connectivity to facilitate future growth.	Ongoing	Deployment of new state-of-the-art video conferencing technology throughout the system, including the implementation of a bridging center.

Goal: 3   Continue Development of Advanced Traffic Analysis Center

Objectives	**Timeframe**	**Accomplishments/Status**
1 Utilize advanced communication system employing internet based data collection of real time data from the field to the lab for traffic analysis. Disseminate data collection information via web site. Provide interactive traffic surveys via the web.	Ongoing	Development of an information technology center utilizing advanced traffic modeling software, a mobile data collection unit, and a sophisticated multi-media training laboratory.

Goal: 4   MPC Research and Education Program

Objectives	**Timeframe**	**Accomplishments/Status**
1 Increase the number of graduate classes over the TEL8 system. Disseminate research findings over the TEL8 system and the internet. Expose students to transportation professionals via TEL8 system conferences and seminars.	Ongoing	An enhanced graduate education program has been recognized as one of the "best practices" by the USDOT.

Activity	**Priority**	**Activity Type**	**Start Date**	**End Date**		**99-01**	**01-03**	**03-05**
1 TEL8	2	Maintenance/Base	Ongoing					
Telecommunications network that provides access to research and educational activities of the Institute and the affiliated eight TEL8 regional sites. This activity includes video conference technology, telecommunications network and computers as well as support staff.				**IT PLAN ESTIMATED COST**		$336,000	**$375,000**	$390,000
				BASE BUDGET REQUEST			**$375,000**	
				OPTIONAL BUDGET REQUEST			**$0**	
				BUDGET NONAPPROPRIATED			**$0**	

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Activity		Priority	Activity Type	Start Date	End Date		99-01	01-03	03-05
2	ATAC	1	Maintenance/Base		Ongoing				

A traffic analysis laboratory designed to provide traffic analysis for 2nd tier cities in the state and region. This activity includes state-of-the-art work stations, and anaysis software for researchers, transportation professionals, graduate students and staff. Additionally, laboratory space is dedicated to the Center. It also includes a mobile traffic analysis unit.

	99-01	01-03	03-05
IT PLAN ESTIMATED COST	$25,000	**$40,000**	$50,000
BASE BUDGET REQUEST		**$40,000**	
OPTIONAL BUDGET REQUEST		**$0**	
BUDGET NONAPPROPRIATED		**$0**	

Total Agency	99-01	01-03	03-05
IT PLAN ESTIMATED COST	$361,000	**$415,000**	$440,000
BASE BUDGET REQUEST		**$415,000**	
OPTIONAL BUDGET REQUEST		**$0**	
BUDGET NONAPPROPRIATED		**$0**	